

**Amendments to the Abstract:**

Please delete the Abstract paragraph at page 28, beginning at line 3, and replace it with the following rewritten paragraph:

-- Processes for mechanically fabricating two and three-dimensional fibrous monolith composites are provided. The processes include preparing a fibrous monolith filament from a core composition of a first powder material and a boundary material of a second powder material. The filament includes a first portion of the core composition surrounded by a second portion of the boundary composition. One or more filaments are extruded through a mechanically-controlled deposition nozzle onto a working surface to create a fibrous monolith composite object. The objects may be formed directly from computer models and have complex geometries.--